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September 24, 2004

FAX TRANSMISSION COVER SHEETTo:Telephone:Fax Number:U.S. Patent and Trademark Office
Attn.: Examiner Bocure

703-872-9306

From: Jenny Sung
650-833-2121

Client-Matter Number: 2102462-991101

Re: VIRTUAL CHANNEL SATELLITE COMMUNICATION SYSTEM WITH IMPROVED
BANDWIDTH EFFICIENCYPages: - 20 - (including this form) Originals: ☐ will be mailed ☒ will not be mailed

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Fax Operator/Ext.**Message:**Please see attached copies of the response to the office action originally sent September 11, 2003
and faxed to you on May 19, 2004:

1. Transmittal Form (1 pg);
2. Response w/Request for Continued Examination (7 pgs);
3. Information Disclosure Statement w/Form PTO 1449 (3 pgs);
4. IDS References: 1 US Patent; 1 PCT International Search Report;
5. Fee Transmittal FY 2003 (1 pg);
6. Check #544039 for \$375.00;
7. Certificate of First Class Mail (1 pg); and
8. Return postcard.

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(Form Rev. 6/5/00)

USPTO 5/19/2004 1:54 PM PAGE 1/001 Fax Server
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TO:

Fax Sender at 650 833 2001

Fax Information

Date Received:

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05/19/2004 10:42 FAX 650 833 2001		GCW&F #8	001
GRAYCARY			
2000 University Avenue Berkeley, CA 94704 www.graycary.com			
Tel: 415-855-2121 Fax: 415-855-2101			
May 19, 2004			
FAX TRANSMISSION COVER SHEET			
To:	Telephone:	Fax Number:	
U.S. Patent and Trademark Office		703-672-3306	
Attn.: Examiner Bocura			
From: Jerry Sung 650-833-2121	Client-Matter Number:	2102482-001101	
Re: VIRTUAL CHANNEL SATELLITE COMMUNICATION SYSTEM WITH IMPROVED BANDWIDTH EFFICIENCY			
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<ol style="list-style-type: none"> 1. Transmittal Form (1 pg); 2. Response w/Request for Continued Examination (7 pgs); 3. Information Disclosure Statement w/Form PTO 1448 (3 pgs); 4. IDS References: 1 US Patent; 1 PCT International Search Report; 5. Fee Transmittal FY 2003 (1 pg); 6. Check #644039 for \$375.00; 7. Certificate of First Class Mail (1 pg) and 8. Return postcard. 			
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PAGE 1/18 * RCVD AT 5/19/2004 1:48:26 PM (Eastern Daylight Time) * SVR:USPTO-EFAXF-1/1 * DNS:8729306 * CSID:650 833 2001 * DURATION (mm-ss):05-52			

COPY

Commissioner for Patents
P.O. Box 1450, Mail Stop RCE
Alexandria, VA 22313-1450
Title: Virtual Channel Satellite Communication System With
Improved Bandwidth Efficiency
S/N: 10/039,632 Filed: 10/26/01 Docket #: 2102462-991101
Mailing Date: September 11, 2003

Enclosed are:

1. Transmittal Form (1 pg.);
2. Response w/Request for Continued Examination (7 pgs);
3. Information Disclosure Stmt. W/PTO Form 1449 (3 pgs.);
4. IDS References: 1 U.S. Patent; 1 PCT Int'l Search Report;
5. Fee Transmittal FY 2003 (1 pg.);
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2102462-991101 (Virtual Satellite)
22812/KJS

GRAY CARY WARE & FREIDENRICH

401 B STREET, SUITE 2000 SAN DIEGO, CA 92101

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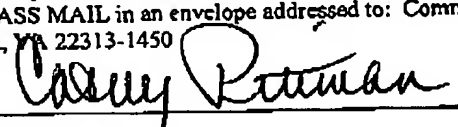
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OF PATENTS
WASHINGTON, DC*Cathy Pittman*
Cathy Pittman
VOID AFTER 180 DAYS

Attorney Docket No. 2102462-991101

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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Cathy Pittman

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Commissioner for Patents and Trademarks
Mail Stop RCE
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Transmitted herewith for filing under 37 CFR 1.53(b) are the following documents for the referenced application:

Applicant(s): Robert F. Friedman
Serial No.: 10/039,632
Filed: October 26, 2001

Group Art Unit: 2631
Examiner: T. Bocure

Title: SYSTEM AND METHOD FOR COMBINING MULTIPLE
SATELLITE CHANNELS INTO A VIRTUAL
COMPOSITE CHANNEL

Enclosed are:

- [1] Transmittal Form;
- [7] Response with Request for Continued Examination;
- [3] Information Disclosure Statement w/PTO Form 1449;
- [2] IDS References: 1 U.S. Patent; 1 PCT International Search Report;
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TRANSMITTAL FORM (to be used for all correspondence after initial filing)	Application Number	10/039,632
	Filing Date	October 26, 2001
	First Named Inventor	Robert Friedman
	Group Art Unit	2631
	Examiner Name	T. Bocure
	Attorney Docket Number	2102462-991101
Total Number of Pages in This Submission		

ENCLOSURES (check all that apply)		
<input checked="" type="checkbox"/> Fee Transmittal Form <input checked="" type="checkbox"/> Fee Attached <input checked="" type="checkbox"/> Amendment/Reply <input checked="" type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Assignment Papers (for an Application) <input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Additional Enclosure(s) (please identify below): IDS References: 1 US Patent, PCT Int'l Search Rpt for PCT/US02/29729 Response w/Request for Continued Examination (7 pgs); Check #544039 for \$375.00;
Remarks		Certificate of First Class Mail; Return postcard.

SIGNATURE OF APPLICANT, ATTORNEY OR AGENT

Firm or Individual name	K. JENNY SUNG (Reg. No. 47,639) Gray, Cary Ware & Freidenrich
Signature	
Date	September 11, 2003

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Typed or printed name	Cathy Pittman	Date	September 11, 2003
Signature			

Gray Cary\EM\7146136.1
2102462-991101

PTO/SB/17 (11-01)

FEE TRANSMITTAL for FY 2003 <i>Patent fees are subject to annual revision.</i>		Completes if Known	
		Application Number	10/039,632
		Filing Date	October 26, 2001
		First Named Inventor	Friedman
		Examiner Name	T. Bocure
<input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27		Group Art Unit	2631
TOTAL AMOUNT OF PAYMENT	(\$) 375.00	Attorney Docket No.	2102462-991101

METHOD OF PAYMENT (check all that apply) <input checked="" type="checkbox"/> Check <input type="checkbox"/> Credit Card <input type="checkbox"/> Money Order <input type="checkbox"/> Other <input type="checkbox"/> None Deposit Account Number: 07-1896 Deposit Account Name: Gray Cary Ware & Freidenrich LLP The Commissioner is authorized to: (check all that apply) <input type="checkbox"/> Charge (fees) indicated below. <input checked="" type="checkbox"/> Credit any overpayments <input type="checkbox"/> Charge any additional fee(s) during the pendency of this application <input type="checkbox"/> Charge fee(s) indicated below, except for filing fee to the above-identified deposit account.		FEE CALCULATION (continued) 3. ADDITIONAL FEES																																																																																																																																																																																																																			
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late filing fee or oath		1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet		1053	130	2053	65	Non-English specification		1812	2,520	1812	2,520	For filing a request for ex parte reexamination		1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action		1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action		1251	110	2251	55	Extension for reply within first month		1252	400	2252	200	Extension for reply within second month		1253	920	2253	460	Extension for reply within third month		1254	1,440	2254	720	Extension for reply within fourth month		1255	1,960	2255	980	Extension for reply within fifth month		1401	320	2401	160	Notice of Appeal		1402	320	2402	160	Filing a brief in support of an appeal		1403	280	2403	140	Request for oral hearing		1451	1,510	1451	1,510	Petition to institute a public use proceeding		1452	110	2452	55	Petition to revive - unavoidable		1453	1,280	2453	640	Petition to revive - unintentional		1501	1,280	2501	640	Utility issue fee (or reissue)		1502	460	2502	230	Design issue fee		1503	620	2503	310	Plant issue fee		1460	130	1460	130	Petitions to the Commissioner		1807	50	1807	50	Processing fee under 37 CFR 1.17(c)		1808	180	1808	180	Submission of Information Disclosure Stmt		8021	40	8021	40	Recording each patent assignment per property (times number of properties)		1809	740	2809	370	Filing a submission after final rejection (37 CFR § 1.129(a))		1810	740	2810	370	For each additional invention to be examined (37 CFR § 1.129(b))		1801	740	2801	370	Request for Continued Examination (RCE)	375	1802	900	1802	900	Request for expedited examination of a design application	
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2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE <table border="1"> <thead> <tr> <th>Large Entity Fee Code</th> <th>Large Entity Fee (\$)</th> <th>Small Entity Fee Code</th> <th>Small Entity Fee (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr> <td>1202</td> <td>18</td> <td>2002</td> <td>9</td> <td>Claims in excess of 20</td> <td>28</td> </tr> <tr> <td>1201</td> <td>84</td> <td>2001</td> <td>42</td> <td>Independent claims in excess of 3</td> <td>01</td> </tr> <tr> <td>1203</td> <td>280</td> <td>2003</td> <td>140</td> <td>Multiple dependent claim, if not paid</td> <td></td> </tr> <tr> <td>1204</td> <td>80</td> <td>2004</td> <td>42</td> <td>** Reissue independent claims over original patent</td> <td></td> </tr> <tr> <td>1205</td> <td>18</td> <td>2005</td> <td>9</td> <td>** Reissue claims in excess of 20 and over original patent</td> <td></td> </tr> </tbody> </table> <p>SUBTOTAL (2) (\$) 0.00</p> <p>** or number previously paid, if greater; For Reissues, see above</p>		Large Entity Fee Code	Large Entity Fee (\$)	Small Entity Fee Code	Small Entity Fee (\$)	Fee Description	Fee Paid	1202	18	2002	9	Claims in excess of 20	28	1201	84	2001	42	Independent claims in excess of 3	01	1203	280	2003	140	Multiple dependent claim, if not paid		1204	80	2004	42	** Reissue independent claims over original patent		1205	18	2005	9	** Reissue claims in excess of 20 and over original patent																																																																																																																																																																																	
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SUBMITTED BY		Complete (if applicable)	
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		Date	September //, 2003

Gray Cary/EM7149860.1